

**From:** Mann.Laurie@epamail.epa.gov  
**Sent time:** 03/28/2011 11:35:14 AM  
**To:** Cope.Ben@epamail.epa.gov  
**Subject:** Re: Fw: Brainstorming Future WA Columbia River Basin Work

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Ben,  
I'll give you the Full Scoop on the Washington TMDL project - - either later today OR next week (b) (6).  
big headache.

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Environmental Engineer  
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<http://www.epa.gov/r10earth/tmdl.htm>

▼ Ben Cope---03/28/2011 11:22:49 AM---Laurie! Curious what you think about this...would Ecology want to do this TMDL, or shuffle it to us,

From: Ben Cope/R10/USEPA/US  
To: Laurie Mann/R10/USEPA/US  
Date: 03/28/2011 11:22 AM  
Subject: Fw: Brainstorming Future WA Columbia River Basin Work

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Laurie!

Curious what you think about this...would Ecology want to do this TMDL, or shuffle it to us, or what?

I think Kerner deep sixed Sametime...just an educated guess...

-BC

Ben Cope, Environmental Engineer  
Office of Environmental Assessment  
EPA Region 10  
Seattle, Washington  
206-553-1442

----- Forwarded by Ben Cope/R10/USEPA/US on 03/28/2011 11:21 AM -----

From: Marylou Soscia/R10/USEPA/US  
To: Ben Cope/R10/USEPA/US@EPA  
Cc: David Croxton/R10/USEPA/US@EPA, Helen Rueda/R10/USEPA/US@EPA, Laurie Mann/R10/USEPA/US@EPA, Lorraine Edmond/R10/USEPA/US@EPA, Michael Cox/R10/USEPA/US@EPA  
Date: 03/28/2011 11:17 AM  
Subject: Re: Brainstorming Future WA Columbia River Basin Work

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Dear Ben:

That is why a temp TMDL for Upper Columbia might be timely since we are at the table in negotiations for the Columbia River Treaty and water temperature has been identified as a key ecosystem issue especially by Columbia River Tribes. It is a long shot now but a possibility that temperature could be addressed through the Treaty and the US could put the TMDL on the table as a tool to improve temps.

ml

▼ Ben Cope---03/22/2011 10:24:30 AM---Marylou, All - I think a temperature analysis for a TMDL at Grand Coulee is doable, and it would be

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Date: 03/22/2011 10:24 AM  
Subject: Re: Brainstorming Future WA Columbia River Basin Work

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Marylou, All -

I think a temperature analysis for a TMDL at Grand Coulee is doable, and it would be nice to see how Canadian dams impact the incoming temperature at the border. We have a CE-QUAL-W2 water quality model for "dam in" that was recently built by the outstanding folks at Portland State U. It could be taken off the shelf, adjusted to give a "no dam" version, and used for the analysis with modest contract funding.

The policy part, actually issuing a TMDL, would be more challenging, since it's quite possible there is no practical way to meet WQS (UAA all over again).

We know from the Bureau that powerhouse ops affect the temperature released by the dam, and there is a way to release cooler water by diverting flows from the newer to the older powerhouse. It would be nice if some mechanism could compel them to do that if it aids downstream fish.

-BC

Ben Cope, Environmental Engineer  
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▼ Marylou Soscia---03/18/2011 02:20:25 PM---Dear Ben, Mike, Helen and Lorraine: Laurie Mann called me yesterday and asked about my ideas for som

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Cc: Laurie Mann/R10/USEPA/US@EPA, David Croxton/R10/USEPA/US@EPA  
Date: 03/18/2011 02:20 PM  
Subject: Brainstorming Future WA Columbia River Basin Work

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Dear Ben, Mike, Helen and Lorraine:

Laurie Mann called me yesterday and asked about my ideas for some potential WA Columbia Basin TMDL work.


I am sharing my ideas with you in case you have more to add, additional ideas or amendments to my ideas - the sky is the limit - consider this an electronic brainstorming session.

1. Do Columbia River Temperature Work @ Grand Coulee - fits in w/Columbia River Treaty. Temperature is one of top 4 ecosystem factors in Treaty negotiations - EPA has limited resources to provide technical input into this State Dept led negotiation on how US and Canada will manage dams. Tribes have put water temperature on table as a major ecosystem factor -of course they have! And we did talk at one time about breaking up the Columbia River TMDL which we never finished to do the Grand Coulee/Upper Columbia River portion separately.

(b) (5)



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What do you think? ml

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Mary Lou Soscia  
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